Aquifer Vulnerability Map of the Pahasapa Limestone (Madison Aquifer), Blackhawk Quadrangle

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2010

Definition of Vulnerability
Aquifer vulnerability is the potential or likelihood that any contaminant could reach the ground-water supply, based on designated parameters described below.

Areas of increased aquifer vulnerability due to the presence of on-site septic systems in the Madison recharge area.

- On-Site Wastewater Disposal System (OSWDS)
  - Density (number of OSWDS per sq. mi.)
    - 0 - 10
      - Low to Medium
    - 10 - 40
      - Medium to High
    - 40 - 81
      - High to Very High

Increased aquifer vulnerability due to the presence of roads (buffered 100 feet on either side) in the Madison recharge area.

- Type of Road
  - Trail
    - Rating
      - Low
    - Unpaved Road
      - Rating
        - Low to Medium
      - Paved Road
        - Rating
          - Medium to High
      - Highway
        - Rating
          - High to Very High

Geologic Units
- Pahasapa Limestone Present in Subsurface
- Pahasapa Limestone Absent

The preparation of this map was funded by the West Dakota Water Development District in association with the Department of Geology and Geological Engineering, South Dakota School of Mines and Technology.